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This application claims benefit pursuant to 35 U.S.C. § 120 of Application Serial No. 09/505,594 filed February 16, 2000 which claims benefit pursuant to 35 U.S.C. § 119(e) of Application Serial No. 60/133,579 filed May 11, 1999 and Application Serial No. 60/120,506 filed February 17, 1999.

Kindly replace the paragraph that begins on page 5, line 4 with the following paragraph:

2

It is an object of an exemplary form of the present invention to provide an ATM in which transaction devices may be more easily connected.

Kindly substitute the paragraph that begins on page 5, line 6 with the following paragraph:

3

It is an object of an exemplary form of the present invention to provide an ATM in which the amount of time it takes to add a transaction function device to the ATM is reduced.

Kindly amend the paragraph that begins on page 5, line 8 with the following paragraph:

A4

It is a further object of an exemplary form of the present invention to provide an ATM in which the possibility of installing a wrong driver for a device in the ATM is reduced.

Kindly replace the paragraph that begins on page 5, line 10 with the following paragraph:

A5

It is a further object of an exemplary form of the present invention to provide an ATM in which it is easier to install device drivers in the ATM.

Kindly replace the paragraph that begins on page 5, line 12 with the following paragraph:

A6

It is a further object of an exemplary form of the present invention to provide an ATM in which device drivers are easier to incorporate into ATM programs.

Kindly replace the paragraph that begins on page 5, line 14 with the following paragraph:

A7

It is a further object of an exemplary form of the present invention to provide an ATM in which transaction devices have properties of object-oriented services in the ATM.

Kindly replace the paragraph that begins on page 5, line 16 with the following paragraph:

A⁸
It is a further object of an exemplary form of the present invention to run an ATM which includes services that encapsulate the low-level hardware functionality of a device and to present only high-level object oriented methods and events for controlling the device.

Kindly replace the paragraph that begins on page 6, line 1 with the following paragraph:

A⁹
It is a further object of an exemplary form of the present invention to provide an ATM which includes an application program and other software components in the ATM which include properties of an object-oriented device.

Kindly replace the paragraph that begins on page 6, line 4 with the following paragraph:

A¹⁰
It is a further object of an exemplary form of the present invention to provide an ATM which includes a transaction service which operates to automatically install its own drivers when the service is installed in the ATM.

Kindly replace the paragraph that begins on page 6, line 7 with the following paragraph:

N1
It is a further object of an exemplary form of the present invention
to provide an ATM in which services directly communicate with
other services in the ATM.

Kindly replace the paragraph that begins on page 6, line 9 with the following paragraph:

N2
It is a further object of an exemplary form of the present invention
to provide an ATM in which services control the functionality of
other services in the ATM.

Kindly replace the paragraph that begins on page 6, line 11 with the following paragraph:

N3
It is a further object of an exemplary form of the present invention
to provide an ATM in which services may be dynamically added
and removed without disabling the entire ATM.

Kindly replace the paragraph that begins on page 6, line 13 with the following paragraph:

N4
It is a further object of an exemplary form of the present invention
to provide an ATM in which many services are attached.

Kindly replace the paragraph that begins on page 6, line 15 with the following paragraph:

N15

It is a further object of an exemplary form of the present invention
to provide an ATM in which a service may be attached to the ATM
at a great distance from the main housing of the ATM.

Kindly replace the paragraph that begins on page 6, line 17 with the following paragraph:

N14

It is a further object of an exemplary form of the present invention
to provide an ATM in which services are connected to the ATM
through a network.

Kindly replace the paragraph that begins on page 6, line 19 with the following paragraph:

N17

It is a further object of an exemplary form of the present invention
to provide an ATM in which services are connected to the ATM
with different types of network typographies and protocols.

Kindly replace the paragraph that begins on page 6, line 21 with the following paragraph:

N18

It is a further object of an exemplary form of the present invention
to provide an ATM in which services issue events remotely across

A18

a network when there is a change in the state of the service in the ATM.

Kindly replace the paragraph that begins on page 7, line 1 with the following paragraph:

A19

It is a further object of an exemplary form of the present invention to provide an ATM in which services invoke method calls remotely across a network to control other services in the ATM.

Kindly replace the paragraph that begins on page 7, line 3 with the following paragraph:

A20

It is a further object of an exemplary form of the present invention to provide an ATM which uses a service proxy to enable a service to communicate with another service in the ATM.

Kindly replace the paragraph that begins on page 7, line 5 with the following paragraph:

A21

It is a further object of an exemplary form of the present invention to provide an ATM which passes service proxies across a network between different services and programs in the ATM.

Kindly replace the paragraph that begins on page 7, line 7 with the following paragraph:

A22

It is a further object of an exemplary form of the present invention to provide an ATM which operates to store service proxies in a central repository located on a network in the ATM.

Kindly replace the paragraph that begins on page 7, line 9 with the following paragraph:

A23

It is a further object of an exemplary form of the present invention to provide an ATM which services can look up the required service proxy by querying the central repository of proxies on the network in the ATM.

Kindly replace the paragraph that begins on page 7, line 12 with the following paragraph:

A24

It is a further object of an exemplary form of the present invention to provide an ATM server that can coordinate the functionality of a plurality of network ATM work station services.

Kindly replace the paragraph that begins on page 7, line 14 with the following paragraph:

A²⁵
It is a further object of an exemplary form of the present invention
to provide an ATM that can quickly connect and disconnect with
services.

Kindly replace the paragraph that begins on page 7, line 16 with the following paragraph:

A²⁶
It is a further object of an exemplary form of the present invention
to provide an ATM that can quickly connect and disconnect with
other ATMs.

Kindly replace the paragraph that begins on page 7, line 18 with the following paragraph:

A²⁷
It is a further object of an exemplary form of the present invention
to provide a personal ATM that is personal to a user.

Kindly replace the paragraph that begins on page 7, line 20 with the following paragraph:

A²⁸
It is a further object of an exemplary form of the present invention
to provide a personal ATM that is operative to store information
for a plurality of personal accounts belonging to a user.

Kindly replace the paragraph that begins on page 8, line 1 with the following paragraph:

29
It is a further object of an exemplary form of the present invention
to provide a personal ATM that is operative to coordinate with
another ATM to withdraw money.

Kindly replace the paragraph that begins on page 8, line 3 with the following paragraph:

30
It is a further object of an exemplary form of the present invention
to provide a personal ATM that is operative to coordinate with
another ATM to deposit checks.

Kindly replace the paragraph that begins on page 8, line 5 with the following paragraph:

31
It is a further object of an exemplary form of the present invention
to provide a personal ATM that is operative to coordinate with
another ATM to transfer value between personal accounts.

Kindly replace the paragraph that begins on page 8, line 7 with the following paragraph:

A32

It is a further object of an exemplary form of the present invention to provide a personal ATM that is operative to pay for the dispense of items at a dispenser.

Kindly replace the paragraph that begins on page 8, line 9 with the following paragraph:

A33

It is a further object of an exemplary form of the present invention to provide a personal ATM that is operative to coordinate with a point of sale terminal to transfer value.

Kindly replace the paragraph that begins on page 8, line 11 with the following paragraph:

A34

It is a further object of an exemplary form of the present invention to provide an ATM that is operative to upload a user interface application to another computer system for interfacing with the ATM.

Kindly replace the paragraph that begins on page 8, line 13 with the following paragraph:

A35

It is a further object of an exemplary form of the present invention to provide a personal ATM that is operative as a service to allow

A35

software applications to interface with the personal ATM to perform transactions.

Kindly replace the paragraph that begins on page 8, line 16 with the following paragraph:

A36

It is a further object of an exemplary form of the present invention to provide a Personal Digital Assistant operated as a personal ATM.

Kindly replace the paragraph that begins on page 8, line 18 with the following paragraph:

A37

It is a further object of an exemplary form of the present invention to provide a cell phone operated as a personal ATM.

Kindly replace the paragraph that begins on page 8, line 20 with the following paragraph:

A38

It is a further object of an exemplary form of the present invention to provide a smart card operated as a personal ATM.

Kindly replace the paragraph that begins on page 9, line 1 with the following paragraph:

A39

It is a further object of an exemplary form of the present invention to provide a host ATM that is operative to interface with a personal ATM.

Kindly replace the paragraph that begins on page 9, line 3 with the following paragraph:

A40

It is a further object of an exemplary form of the present invention to provide a host dispenser that is operative to interface with a personal ATM.

Kindly replace the paragraph that begins on page 9, line 5 with the following paragraph:

A41

It is a further object of an exemplary form of the present invention to provide a point of sale device that is operative to interface with a personal ATM.

Kindly replace the paragraph that begins on page 9, line 7 with the following paragraph:

A42

Further objects of exemplary forms of the present invention will be made apparent in the following Best Modes For Carrying Out Invention and the appended claims.

Kindly replace the paragraph that begins on page 9, line 9 with the following paragraph:

The foregoing objects are accomplished in one exemplary embodiment of the invention by an ATM that includes a network for attaching devices. This network serves as a communication link between the ATM application software operative in the main computer system of the ATM and the transaction function devices that comprise functional elements in the ATM. Examples of such transaction function devices include cash dispensers, cash acceptors, card readers, depositories, and printers. However, embodiments of the present invention may encompass a new form of these transaction function devices called transaction services. Transaction services have properties of objects, similar to objects in object oriented programming languages such as C++ or Java®. Transaction services such as a print service, accept method calls remotely across the network for performing such functions as printing text or delivering a printed receipt. In addition, services can issue events remotely in other services. For example, a printer service can invoke an event in an application program when the printer service is out of paper. ATM application programs can also include elements of an object oriented service. In this way all components whether hardware or software have properties of

A⁴³

objects that adhere to the same set of protocols. Thus the exemplary embodiment of the present invention is an ATM that is created by assembling service objects.

Kindly replace the paragraph that begins on page 54, line 11 with the following paragraph:

A⁴⁴

Thus the system and method for connecting services to an ATM of the present invention achieves at least one of the above stated objectives, eliminates difficulties encountered in the use of prior devices and systems, solves problems and attains the desirable results described herein.

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